



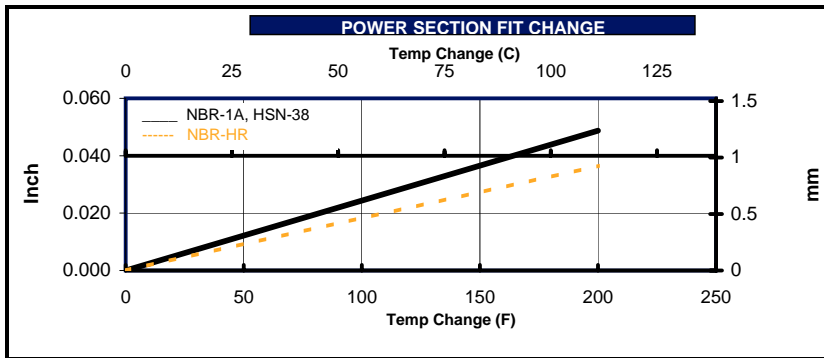
POWER SECTION

ROTOR SPECIFICATIONS		
	Inch	mm
Overall Length	179.0	4547
Contour Length	173.0	4394
Eccentricity	0.246	6.25
Major Diameter	2.912	73.96
Head Diameter	2.750	69.90
Weight	197 (lbs) 89.4 (kg)	
Material	17-4SS	
Thread Form*	2 3/8 Hughes External Flush Mod	

STATOR SPECIFICATIONS		
	Inch	mm
Overall Length	187.0	4750
Rubber Cut Back	8.0	203
Tube O.D.	4.75	120.7
Tube I.D.	3.75	95.3
Weight	400 (lbs) 181 (kg)	
Number of Stages	6.00	
Rubber Type	NBR-1A, HSN-38, NBR-HR	
Tube Material	4142 Seamless Tubing	

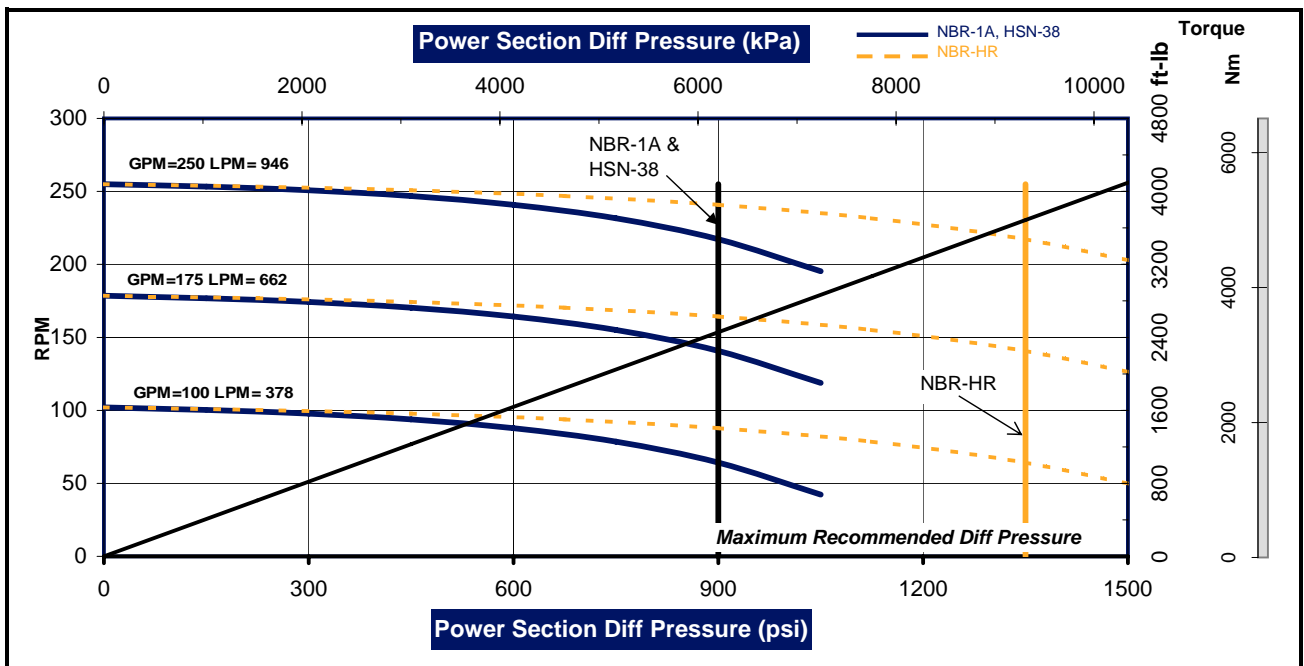
FIT INFORMATION		
NBR-1A & HSN-38	Minor Diameter	
Stator Size	Inch	mm
Standard	2.405	61.09
Oversize	2.433	61.80
Double Oversize	2.451	62.26
Nominal Fit at 75 F (25 C)		
Standard	0.015	0.38
Oversize	-0.013	-0.33
Double Oversize	-0.031	-0.79

* Alternate or custom thread forms are available



FIT INFORMATION		
NBR-HR	Minor Diameter	
Stator Size	Inch	mm
Undersize		
Standard	2.408	61.16
Oversize	2.428	61.67
Nominal Fit at 75 F (25 C)		
Undersize		
Standard	0.012	0.30
Oversize	-0.008	-0.20

PERFORMANCE SPECIFICATIONS			PERFORMANCE DETAILS		
			NBR-1A AND HSN-38	NBR-HR	
Torque Slope	2.730 ft-lb/psi	0.537 Nm/kPa	Max Diff Press psi (kPa)	900 (6210)	1350 (9310)
Flow Range	100 to 250 GPM	380 to 950 Litre/min	Max Torque ft-lb (Nm)	2460 (3330)	3690 (5000)
Rotation	1.020 Rev/Gal	0.270 Rev/Litre	Stall Diff Press psi (kPa)	1350 (9310)	2030 (13960)
Speed Range	102 to 260 RPM		Stall Torque ft-lb (Nm)	3690 (5000)	5530 (7500)
Off Bottom Press	90 psi	620 kPa	Max Recommended HP(kW)	107 (80)	169 (126)



Operating a power section above the maximum recommended differential pressure will reduce stator life. Performance Curves are for reference only. Actual power section performance may vary depending on the down hole temperature and rotor/stator fit. Performance data are subject to change without notice. Power calculation is based on maximum RPM and full torque. Stator sizes subject to change without notice. Copyright 2008 Dyna-Drill® Technologies, Inc. All rights reserved.